Data Sheet (Cat.No.TMAB-13377)

Anti-TAPA1/CD81 Antibody (3G748)

Product Details

Ig Type:	IgG
Reactivity:	Human,Mouse,Rat
Molecular Weight:	Theoretical: 20 kDa. Actual: 25 kDa.
Clone:	3G748
Purification:	Protein A purified

Applications

Verified Activity:	1. 25 μg total protein per lane of various lysates (see on figure) probed with TAPA1/CD81 monoclonal antibody, unconjugated (TMAB-13377) at 1:1000 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at r. T. for 60 min. 2. 25 μg total protein per lane of various lysates (see on figure) probed with TAPA1/CD81 monoclonal antibody, unconjugated (TMAB-13377) at 1:1000 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at r. T. for 60 min. 3. The THP-1 (H) cells were incubated in 5% BSA to block non-specific protein-protein interactions (30 min at r. T.), followed by secondary antibody incubation for 40 min at room temperature. Primary Antibody (green): Rabbit Anti-TAPA1/CD81 antibody (TMAB-13377): 1 μg/10^6 cells; Isotype Control (orange): Rabbit IgG. Blank control (black): PBS. Acquisition of 20,000 events was performed. 4. 4% Paraformaldehyde-fixed THP-1 (H) cell; Antibody incubation with (TAPA1/CD81) monoclonal Antibody, unconjugated (TMAB-13377) 1:100, 90 min at 37°C; followed by conjugated Goat Anti-Rabbit IgG antibody (green) at 37°C for 90 min, DAPI (blue) was used to stain the cell nuclei. PBS instead of the primary antibody was used as the blank control.
Application:	WB,FCM,ICC/IF
Recommended	WB: 1:500-2000; FCM: 1μg/Test; ICC/IF: 1:50-200

Properties

Stability & Storage:	Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen:	A synthesized peptide: human CD81
Antigen Species:	Human
Gene ID:	975
Uniprot ID:	P60033

Research Background

The protein encoded by this gene is a member of the transmembrane 4 superfamily, also known as the tetraspanin family. Most of these members are cell-surface proteins that are characterized by the presence of four hydrophobic domains. The proteins mediate signal transduction events that play a role in the regulation of cell development,

activation, growth and motility. This encoded protein is a cell surface glycoprotein that is known to complex with integrins. This protein appears to promote muscle cell fusion and support myotube maintenance. Also it may be involved in signal transduction. This gene is localized in the tumor-suppressor gene region and thus it is a candidate gene for malignancies. [provided by RefSeq, Jul 2008]

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